

WHAT IS CLAIMED IS:

1. An information authenticating apparatus performing authentication of data, comprising:
 - data input means for entering data; and
 - authenticating information adding means for generating information authenticating that the data have been entered by the use of said data input means on the basis of information acquired from outside and adding the generated information to the entered data.
2. An information authenticating apparatus according to claim 1, wherein:
 - said authenticating information adding means generates positional information for specifying a point where the data have been entered with said data input means on the basis of the position measured by said position measuring means, and adds the generated positional information as authenticating information.
3. An information authenticating apparatus authenticating data by the use of an authenticating station which performs digital signing, comprising:
 - data input means for entering data;
 - authenticating information adding means for adding authenticating information for authenticating input of the data by the use of said data input means to the data entered by said data input means; and
 - transmitting means for transmitting the data containing the authenticating information by said authenticating information adding means to said authenticating station.
4. An information authenticating apparatus according to claim 3, wherein:
 - said authenticating information adding means has time measuring means for measuring time, generates time information for specifying a point in time when the data were entered by said data input means on the basis of the time measured by said time measuring means, and adds the generated time information as authenticating information.
5. An information authenticating apparatus according to claim 3, wherein:
 - said authenticating information adding means has position measuring means for measuring a position, generates positional information for specifying a point where the data were entered by said data input means on the basis of the position measured by said position measuring means, and adds the generated positional information as authenticating information.
6. An information authenticating apparatus according to claim 3, wherein:

said authenticating information adding means has environmental condition measuring means for measuring the surrounding environmental conditions, generates environmental condition information for specifying the environmental conditions at the point in time when the data were entered by said data input means on the basis of the environmental conditions measured by said environmental condition measuring means, and adds the generated environmental condition information as authenticating information.

7. An information authenticating apparatus according to claim 3, further comprising: personal information storing means for storing personal information; and personal information input means for entering personal information;

wherein when the personal information entered by said personal information input means and the personal information of said personal information storing means satisfy a prescribed relationship, said authenticating information adding means adds the personal information of said personal information storing means as authenticating information.

8. An information authenticating apparatus according to claim 3, further comprising: apparatus information storing means for storing apparatus information intrinsic to said information authenticating apparatus,

wherein said authenticating information adding means adds the apparatus information of said apparatus information storing means as authenticating information.

9. An information authenticating apparatus according to claim 3, wherein:
said authenticating information adding means generates inspection information for inspecting whether or not said data contain an error, by the use of the data entered by said data input means, and adds the generated inspection information as authenticating information.

10. An information authenticating apparatus according to claim 9, wherein:
said authenticating information adding means generates inspection information by means of a hash function using the data entered by said data input means.

11. An information authenticating apparatus according to claim 3, wherein:
said authenticating information adding means encrypts the data containing the added authenticating information.

12. An information authenticating apparatus according to claim 11, wherein:
said encryption is accomplished by the application of a public key encrypting method;
and

said authenticating information adding means encrypts the data containing the added authenticating information with a secret key of said information authenticating apparatus.

13. An information authenticating apparatus according to claim 3, further comprising: receiving means for receiving the data containing the digital signature affixed by said authenticating station from the authenticating station; and data storing means for storing the data received by said receiving means.

14. An authenticating station affixing a digital signature to the data transmitted from the information authenticating apparatus according to claim 3, comprising: authenticating station-side receiving means for receiving data from said information authenticating apparatus; and digital signature affixing means for affixing a digital signature to the data received by said authenticating station-side receiving means;

wherein when input of the data by said data input means is authenticated, said digital signature affixing means affixes the digital signature to the data received by said authenticating station-side receiving means on the basis of the authenticating information added to the data received by said authenticating station-side receiving means.

15. An authenticating station according to claim 14, wherein: said digital signature affixing means has authenticating station-side time measuring means for measuring time, and when the time specified by time information added as authenticating information of the data received by said authenticating station-side receiving means and the time measured by said authenticating station-side time measuring means satisfy a prescribed relationship, affixes the digital signature to the data received by said authenticating station-side receiving means.

16. An authenticating station according to claim 14, wherein: said digital signature affixing means has authenticating station-side position measuring means, and when the position specified by the positional information added as authenticating information of the data received by said authenticating station-side receiving means and the position measured by said authenticating station-side position measuring means satisfy a prescribed relationship, affixes the digital signature to the data received by said authenticating station-side receiving means.

17. An authenticating station according to claim 14, comprising:

an authenticating station-side apparatus information storing means for storing apparatus information intrinsic to said information authenticating apparatus,

wherein when the apparatus information added as authenticating information of the data received by said authenticating station-side receiving means and the apparatus information of said authenticating station-side apparatus information storing means satisfy a prescribed relationship, said digital signature affixing means affixes the digital signature to the data received by said authenticating station-side receiving means.

18. An authenticating station according to claim 14, wherein:

said digital signature affixing means generates inspection information by the use of the data received by said authenticating station-side receiving means, adds the generated inspection information as authenticating information, and when the generated inspection information and the inspection information added as authenticating information of the data received by said authenticating station-side receiving means satisfy a prescribed relationship, affixes the digital signature to the data received by said authenticating station-side receiving means.

19. An authenticating station according to claim 18, wherein:

said digital signature affixing means generates inspection information with a hash function by the use of the data received by said authenticating station-side receiving means.

20. An authenticating station according to claim 14, wherein:

said digital signature affixing means deciphers the data received by said authenticating station-side receiving means by a deciphering method corresponding to the encrypting method of the information authenticating apparatus according to claim 11.

21. An authenticating station according to claim 20, wherein:

said digital signature affixing means deciphers the data received by said authenticating station-side receiving means by a public key of the information authenticating apparatus serving as the transmitting source of said data.

22. An authenticating station according to claim 14, further comprising:

authenticating station-side transmitting means for transmitting data bearing the digital signature affixed thereto by said digital signature affixing means to said information authenticating apparatus.

23. An authenticating station according to claim 14, further comprising:

authenticating station-side data storing means for storing the data containing the digital signature affixed thereto by said digital signature affixing means.

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